

Dr. Anwar Ali Yahya Esmail

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PERSONAL STATEMENT:

I am an Assistant Professor in the Department of Computer Science at College of Computer Science and Information Systems, Najran University, since November 2011. I received my PhD from UPM, Malaysia. My research interests include research interests include educational data mining, machine learning, natural language processing engineering, and computational intelligence.

EDUCATION AND QUALIFICATION :

Doctor of Philosophy in Artificial Intelligence, University Putra Malaysia, Putra, Malaysia (2007)

Master of Science in Computer Science, University of Technology, Baghdad, Iraq (2002)

Bachelor in Computer Science, University of Basrah, Basrah, Iraq (1996)

WORK EXPERIENCES :

Assistant Professor

Oct. 2010- Present
Faculty of Computer Science and Information Systems
Najran University – Najran – Kingdom of Saudi Arabia

Assistant Professor

March 2009- Sep. 2010
Faculty of Computer Science and Information Systems
Thamar University – Thamar – Yemen

Postdoctoral Research Fellow (Jan. 2008- Mar. 2009)

Jan. 2008- Mar. 2009
Intelligent Systems and Robotics Laboratory
Institute of Advanced Technology
Universiti Putra Malaysia

Research Assistant

May 2005- Apr. 2007
Faculty of Computer Science and Information Technology
Universiti Putra Malaysia

Lecturer

Nov. 2002 – Mar. 2003
Faculty of Computer Science and Information Systems
Thamar University – Thamar – Yemen

Teaching Assistant

Nov. 1998 – Sept. 1999
Faculty of Computer Science and Information Technology
Thamar University – Thamar – Yemen

Teaching Assistant

Nov. 1997–Oct.1998
Faculty of Computer Science and Information Technology
Thamar University – Thamar – Yemen

TAUGHT COURSES:

Theory of Computation, Artificial Intelligence, Programming Paradigms, Programming Languages, Compiler Design, Design and Analysis of Algorithms, Computational Intelligence.

PROFESSIONAL SKILLS:

- **Author of Research Articles**
- **Reviewer of Journals'**
 - IEEE Transactions on Evolutionary Computation, IEEE
 - Applied Intelligence Journal, Springer
 - Evolutionary Intelligence Journal, Springer
 - Journal of Experimental & Theoretical Artificial Intelligence
 - Computer Applications in Engineering Education
 - International Journal of Computer Systems Science and Engineering
- **Reviewer of Conferences' Articles**
 - The 2017 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery (ICNC-FSKD 2017), July 29-31, 2017, Guilin, China.
 - The Twenty Seventh International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (June 16-17), 2014, Taiwan.
 - The Twenty Sixth International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (June 16-17), 2013, Amsterdam, The Netherland.
 - The Twenty Fifth International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (June 9-12), 2012, Dalian, Liaoning, China.
- **Member of Conference International Organizing Committee**
 - The Twenty Seventh International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (June 16-17), 2014, Taiwan.
 - The Twenty Sixth International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (June 16-17), Amsterdam, the Netherland.
 - The Twenty Fifth International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (June 9-12), Dalian, Liaoning, China.
- **Supervising Graduation Projects**
 - Faculty of engineering – University Putra Malaysia – Malaysia
 - Faculty of Computer Science and Information Systems, Thamar University, Thamar, Yemen.
 - Faculty of Computer Science and Information Systems, Najran University, Najran, Saudia Arabia.
- **Examiner of Graduation Projects**
 - Faculty of Computer Science and Information Systems, Thamar University, Thamar, Yemen.
 - Faculty of Computer Science and Information Systems, Najran University, Najran, Saudia Arabia.
- **Preparation of Postgraduate Diploma Program**
 - Faculty of Computer Science and Information Systems, Thamar University, Thamar, Yemen.
- **Presentation of seminar and workshops**
 - Seminar: “ Computer Science Curriculum: Development Considerations”
Feb 11, 2019, College of Computer Scienc and Information Systems, Najran
Najran University, Najran, Kingdom of Saudia Arabia.
 - Seminar: "Soft Computing: New Paradigms in Artificial Intelligence"
Apr. 9, 2011, College of Computer Scienc and Information Systems, Najran
University, Najran, Kingdom of Saudia Arabia
 - Workshop: "Intelligent software agent"
23-25 June, 2008, Faculty of engineering, University Putra Malaysia, Malaysia
 - Seminar:" Authoring an Effective Test"
Jan 9, 2011, College of Computer Scienc and Information Systems, Najran
Najran University, Najran, Kingdom of Saudia Arabia.
 - Seminar: "How to Write a Final Year Project Report"

Dec. 25, 2009, Faculty of Computer Science and Information Systems, Tamar University, Tamar, Yemen.

- **Management and Administration**

- ***Secretary of the Computer Science Department Council***

Feb. 2017- Present

College of Computer Science and Information Systems, Najran
Najran University, Najran, Kingdom of Saudia Arabia

- ***Head of E-Learning Committee***

Jan. 2012- 2016

Faculty of Computer Science and Information Systems, Najran
Najran University, Najran, Kingdom of Saudia Arabia

- ***Coordinator of Curriculum Committee***

Oct. 2016- present

Faculty of Computer Science and Information Systems, Najran
Najran University, Najran, Kingdom of Saudia Arabia

- ***Head of textbooks and references Committee***

Jan. 2014- present

Faculty of Computer Science and Information Systems, Najran
Najran University, Najran, Kingdom of Saudia Arabia

- ***Coordinator of NCAAA Steering Committee***

Feb. 2012 – 2016

Faculty of Computer Science and Information Systems,
Najran University, Najran, Kingdom of Saudia Arabia

- ***Head of Internal Examination Committee***

Jan. 2012

Faculty of Computer Science and Information Systems, Najran
Najran University, Najran, Kingdom of Saudia Arabia

- ***Coordinator of Computer Skills Program***

Oct. 2011 - Oct. 2012

College of Preparatory Year, Najran University, Najran, Kingdom of Saudia Arabia

- ***Member of General Examination Committee***

Jan. 2011 – Jan. 2012

Faculty of Computer Science and Information Systems, Najran
Najran University, Najran, Kingdom of Saudia Arabia

- ***Head of the Information Technology Department***

Sept. 2009 – Sept. 2010

Faculty of Computer Science and Information Technology, Tamar University, Tamar, Yemen

- ***Head of the Labs. and Technical affairs Committee***

Oct. 2009 – Sept. 2010

Faculty of Computer Science and Information Technology, Tamar University, Tamar, Yemen

- ***Head of Faculty's Academic Staff syndicate Committee***

Apr. 2009 – Sept. 2010

Faculty of Computer Science and Information Technology, Tamar University, Tamar, Yemen

PUBLICATIONS:

- Anwar Ali Yahya: Centroid Particle Swarm Optimization for High Dimensional Data Classification, *Accepted*, Journal of Experimental and Theoretical Artificial Intelligence (**Publisher: Taylor and Francis, ISI-JCR indexed**)
- WW Al-Qassas, MS El-Bashir, R Al-Shboul, Anwar Ali Yahya: Ant Colony Optimization for a Plan Guide Course Registration Sequence, International Journal of Advanced Computer Science and Applications, Vol. 9, No. 3, 2018.
- Anwar Ali Yahya: Swarm Intelligence-based Approach for Educational Data Classification, Journal of King Saud University - Computer and Information Sciences (**Publisher: Elsevier, Scopus Indexed**).
- Anwar Ali Yahya, Addin Osman, Mohammad Said El-Bashir: Rocchio Algorithm-based Particle Initialization Mechanism for Effective PSO Classification of High Dimensional Data, Swarm and Evolutionary Computation (**Publisher: Elsevier, ISI-JCR Indexed**).
- Anwar Ali Yahya, Addin Osman, Mohamed Khairi: Mining educational data to analyze teaching effectiveness, Journal of Theoretical and Applied Information Technology, 89 (1), pp. 249-258, (**Publisher: Asian Research, Scopus Indexed**).
- Ahmed Abdu Alattab, Sameem Abdul Kareem, Anwar Ali Yahya, Addin Osman: An Effective Approach towards Content-Based Human Facial Image Detection and Retrieval. International Journal of Simulation: Systems, Science & Technology, 15 (1), pp. 33-43. (**Publisher: UK Simulation Society, Scopus Indexed**)
- Anwar Ali Yahya, Mohammad Said El-Bashir: Applying machine learning to analyse teachers' instructional questions. International Journal of Advanced Intelligence Paradigms, 6 (4), pp. 312-327. (**Publisher: Indercience, Scopus Indexed**)
- Addin Osman, Adlan Balola, Anwar Ali Yahya, Yahya Ali Abdelrahman: A Survey of University Courses Timetable Scheduling Problem, Journal of Computing, 3(9).
- Anwar Ali Yahya, addin Osman, Abdulrahman Ramli, and Adlan Balolah : Feature Selection for High Dimensional Data: An Evolutionary Filter Approach. Journal of Computer Science, 7(5), pp. 800-820, (**Publisher: Science Publications, Scopus Indexed**).
- Anwar Ali Yahya, Ramlan Mahmud, Abd Rahman Ramli: Dynamic Bayesian networks and variable length genetic algorithm for designing cue-based model for dialogue act recognition. Computer Speech & Language, 24, PP. 24(2),pp. 190-218. (**Publisher: Elsevier, ISI-JCR Indexed**).
- Anwar Ali Yahya, Abd Rahman Ramli: Genetic-based approach for cue phrase selection in dialogue act recognition. Evolutionary Intelligence, Journal of Evolutionary Intelligence, (1):253–269 (**Publisher: Springer, Scopus Indexed**).
- Anwar Ali Yahya, Ramlan Mahmud, Fatimah Ahmad, Md. Nasir Sulaiman: Bayesian Networks Model for Dialogue Act Recognition Based On Intra-Utterance Features and Inter-Utterances Context, Suranaree Journal of Science and Technology, 13 (4), pp. 285-297.

CONFERENCES:

- Addin Osman, Anwar Ali Yahya, and Muhammad Basit Kamal: A Benchmark Collection for Mapping Program Educational Objectives to ABET Student Outcomes: Accreditation, proceedings of 5th International Symposium on Data Mining Applications, Prince Sultan University, Riyadh Saudi Arabia, 21-22/3/2018.
- Addin Osman, Anwar Ali Yahya: Classifications of Exam Questions Using Linguistically-Motivated Features: A Case Study Based on Bloom's Taxonomy. The Sixth International Arab Conference on Quality Assurance in Higher Education (IACQA' 2016), Sudan University of Science and Technology, Republic of Sudan.
- Anwar Ali Yahya, Addin Osman: Classification of High Dimensional Educational Data using Particle Swarm Classification. Proceedings of IEEE/ACS International Conference on Computer Systems and Applications, AICCSA 2014, 7073176, pp. 34-41, (**Publisher: IEEE, Scopus Indexed**).
- Anwar Ali Yahya, Addin Osman, Ahmad Taleb, Ahmed Abdu Alattab: Analyzing the Cognitive Level of Classroom Questions Using Machine Learning Techniques. Procedia - Social and Behavioral Sciences, 97, pp. 587-595, 11/2013.

- Anwar Ali Yahya, Addin Osman, Ahmad M. Taleb, Ahmed Abdu Alattab: Educational Data Mining: A Case Study of Teacher's Classroom Questions. International Conference on Intelligent Systems Design and Applications, ISDA2013 6920714, pp. 92-97, (**Publisher: IEEE, Scopus Indexed**).
- Ahmad M. Taleb, Anwar A. Yahya, Nasser M. Taleb: Parallel Genetic Algorithm Model to Extract Association Rules. DBKDA 2013, 5th International Conference on Advances in Databases, Knowledge, and Data Applications; 01/2013.
- Anwar Ali Yahya, Zakaria Toukal, Addin Osman: Bloom's Taxonomy-Based Classification for Item Bank Questions Using Support Vector Machines, Proceeding of 25th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems 9-12/6/2012, Dalian, Liaoning, China
- Anwar Ali Yahya: Automatic Classification of Questions into Bloom's Cognitive Levels using Support Vector Machines. The International Arab Conference on Information Technology, Naif Arab University for Security Science (NAUSS), Riyadh, Saudi Arabia; 12/2011.
- Anwar Ali Yahya, Abd Rahman Ramli: Dialogue Act Recognition using Probabilistic Networks and Ranking-based Feature Selection. International Arab Conference of Information Technology, Sana'a – Yemen, 12/2009.
- Anwar Ali Yahya: Dynamic Bayesian Networks with Ranking-based Feature Selection for Dialogue Act Recognition. International Advanced of Technology Congress (ATCi), PWTC, Malaysia, 11/2009.
- Anwar Ali Yahya, Ramlan Mahmod, Fatimah Dato Ahmad: Variable Length Genetic Algorithm for Feature Selection in High Dimensional Domains. International Conference on Robotics, Vision, Information and Signal Processing ROVISP2007, Park Royal, Penang, Malaysia, 11/2007.
- Anwar Ali Yahya, Ramlan Mahmod, Fatimah Ahmad, Md. Nasir Sulaiman: Dynamic Bayesian Networks for Intention Recognition in Conversational Agent. 3rd International Conference on Artificial Intelligence in Engineering and Technology, Universiti Malaysia Sabah, 11/2006.
- Anwar Ali Yahya, Ramlan Mahmod, Fatimah Ahmad, Md Nasir Sulaiman: Enhanced Bayesian Networks Model for Dialogue Act Recognition in Dialogue Systems. International Symposium on Information and Communication Technologies (M2USIC2006), Multimedia University, Malaysia, 16-17/11/2006.

POSTERS:

- Anwar Ali Yahya and Mohamed Khairi: Analyzing Teaching Effectiveness using Machine Learning Techniques. Machine Learning and Data Analytics Symposium - MLDAS, Doha, Qatar, 04/2016.
- Anwar Ali Yahya: Swarm Intelligence for High Dimensional Data Analytics : An Empirical Case Study. Machine Learning and Data Analytics Symposium - MLDAS, Doha, Qatar, 03/2015.
- Anwar Ali Yahya: Swarm Intelligence in Educational Data Mining. Machine Learning and Data Analytics Symposium - MLDAS, Doha, Qatar, 03/2014.

BOOK CHAPTERS:

- Anwar Ali Yahya, Zakaria Toukal, Addin Osman: Bloom's Taxonomy-Based Classification for Item Bank Questions Using Support Vector Machines. Modern Advances in Intelligent Systems and Tools, Edited by Wei Ding, He Jiang, Moonis Ali, 04/2012, (**Publisher: Springer, Scopus Indexed**).
- Addin Osman, Anwar Ali Yahya, Mohammed Basit Kamal: A Benchmark Collection for Mapping Program Educational Objectives to ABET Student Outcomes: Accreditation. In: Alenezi M., Qureshi B. (eds) 5th International Symposium on Data Mining Applications. Advances in Intelligent Systems and Computing, vol 753. **Publisher: Springer**).

HONORS/AWARDS:

- **6th Students Scientific Conference 2014/2015**
Deanship of Student Affairs.
Najran University, Najran, Kingdom of Saudi Arabia.
- **International Society of Applied Intelligence**
26th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems.
June 17-20, 2013

Amsterdam, The Netherlands

- **3rd Students Scientific Conference 2011/2012**
Deanship of Student Affairs.
Najran University, Najran, Kingdom of Saudi Arabia.
- **College of Computer Science and Information Systems.**
Najran University, Najran, Kingdom of Saudi Arabia.
- **Institute of Advanced Technology,**
Universiti of Putra Malaysia, Malaysia.
- **Best Paper Awards**
International Conference on Robotics, Vision, Information and Signal Processing
28th – 30th Nov. 2007, penang, Malaysia.est

PROFESSIONAL MEMBERSHIPS:

OTHER ACTIVITIES: